

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/05824

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B41/288

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 414 448 B1 (DURKAN THOMAS ET AL) 2 July 2002 (2002-07-02)	1,4-6
Y	column 2, line 66 -column 3, line 32; figure 1 ---	2,3
X	US 2001/020830 A1 (HUBER MARTIN ET AL) 13 September 2001 (2001-09-13) page 4, paragraph 27 -page 4, paragraph 28; figure 1 ---	1,4-6
Y	EP 0 411 617 A (TOSHIBA LIGHTING & TECHNOLOGY) 6 February 1991 (1991-02-06) column 4, line 37 -column 5, line 2; figures 1,5,8 ---	2
Y	EP 0 595 414 A (KONINKL PHILIPS ELECTRONICS NV) 4 May 1994 (1994-05-04) figure 2 ---	3
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

Date of mailing of the International search report

15 March 2004

22/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 932 976 A (UCHIHASHI KIYOAKI ET AL) 3 August 1999 (1999-08-03) -----	

INTERNATIONAL SEARCH REPORT

 Internat. Application No
 PCT/IB 03/05824

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6414448	B1	02-07-2002	AT 222043 T AU 735261 B2 AU 8643498 A CA 2297248 A1 DE 69807118 D1 DE 69807118 T2 DK 1042942 T3 EP 1042942 A1 ES 2183400 T3 IE 980617 A1 WO 9905889 A1	15-08-2002 05-07-2001 16-02-1999 04-02-1999 12-09-2002 08-05-2003 02-12-2002 11-10-2000 16-03-2003 27-01-1999 04-02-1999
US 2001020830	A1	13-09-2001	DE 19916878 A1 AT 221715 T AU 747501 B2 AU 5517899 A BR 9913860 A DE 59902215 D1 WO 0018197 A1 EP 1114571 A1	30-03-2000 15-08-2002 16-05-2002 10-04-2000 12-06-2001 05-09-2002 30-03-2000 11-07-2001
EP 0411617	A	06-02-1991	JP 3067494 A EP 0411617 A2 KR 9403776 B1	22-03-1991 06-02-1991 30-04-1994
EP 0595414	A	04-05-1994	US 5319286 A AT 175541 T CA 2109252 A1 DE 69322931 D1 DE 69322931 T2 EP 0595414 A2 FI 934781 A JP 6203981 A SG 49268 A1	07-06-1994 15-01-1999 30-04-1994 18-02-1999 29-07-1999 04-05-1994 30-04-1994 22-07-1994 18-05-1998
US 5932976	A	03-08-1999	CA 2224300 A1 JP 10284265 A	14-07-1998 23-10-1998